



ENVIRONMENTAL CONSULTANTS

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**Crawford Station MGP Site  
Chicago, Illinois**

**Weekly Field Progress Report**

Report Date: July 9, 2012

Prepared By: Natural Resource Technology, Inc.  
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Submitted To: Integrys Business Support, LLC  
Naren M. Prasad, PE

Activity Period: June 24, 2012 through June 30, 2012

The following summarizes the environmental field activities performed by NRT on behalf of IBS at the former Crawford Station MGP site Time Critical Removal Action (AOC V-W-11-C-981):

<i><b>Tasks</b></i>	<i><b>Environmental Activities</b></i>
General Description of Work Performed	<p>The following activities were conducted:</p> <ul style="list-style-type: none"><li>• Tecnica backfilled and compacted portions of Areas HA, H, AA, and the PRA north of Area A throughout the week.</li><li>• Tecnica loaded trucks from previously-amended soil stockpiles located on the Amendment Pad, Area J, Area HA, and Area Q/R. This amended material was removed by the end of the work week.</li><li>• Tecnica excavated a small portion in Area L and Area N and the southern portion of Area I down to 16', but due to haul road considerations, was forced to halt excavation activities in these areas until a later date.</li><li>• Tecnica completed excavations in Area K down 6' in order to prepare for the excavation of the southern portion of the large City of Chicago sewer. On Friday, June 29, Tecnica began excavating a trench down to approximately 21' bgs along the sewer (Area AA).</li><li>• Tecnica continued excavating down to 12' in the PRA north of Area A based on visual observations of MGP source material. Tecnica will continue digging north in this area until NRT observes satisfactory conditions.</li><li>• Based on visual observations of the excavation floor, Area HA was excavated an additional foot on Tuesday, June 26 to remove observed MGP source material.</li><li>• Rusmar foam was utilized daily to mitigate odors, and woodchips were utilized as needed for additional odor control throughout the week.</li></ul>

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<b>Tasks</b>	<b>Environmental Activities</b>
General Description of Work Performed (continued)	<ul style="list-style-type: none"> <li>Excavated soils were loaded and transported to Waste Management's Laraway Road RDF landfill for disposal. A total of 11,232 tons of material was disposed of at the landfill bringing the overall project total to 192,375 tons.</li> <li>Utilized GPS to locate pertinent items and features.</li> <li>NRT conducted air monitoring activities for PM<sub>10</sub> through the use of DustTraks, 12-hour time-weighted samples for BTEX and Naphthalene through the use of SUMMAs, and real time VOC concentrations using PIDs. Additionally, no odor/dust issues were noted at the perimeter of the site.</li> </ul>
Sampling Activities Performed:	<p>NRT conducted the following sampling activities:</p> <ul style="list-style-type: none"> <li>DustTraks collected particulate data each day and data has been downloaded for analysis.</li> <li>Nine post-excavation base samples were collected: EB-95 and EB-96 (Area I), EB-97 and EB-98 (Area M), EB-99 (Area N), EB-100 and EB-101 (Area HA), and EB-102 and EB-103 (Area AA). These samples will be analyzed for constituents listed in the RAWP for post-excavation.</li> <li>Three SUMMA canisters were deployed on June 27, 2012 and sent to TestAmerica Laboratory for BTEX and naphthalene analysis.</li> </ul>
NRT Field Personnel	Tim Norris, Ron Horan
Equipment Deployed:	<p>SUMMA Canisters DustTraks PIDs Multi-gas meter</p>
Field Photos	See attached sheets

Additional site activities:

Water is being pumped from the open excavations as needed. Water is sent through the Water Treatment System and discharged into the City of Chicago sewer for discharge into the MWRD system.

Helm Electric was on-site on Wednesday, June 27 to install electricity to the southwestern portion of the site.

Kinder Morgan was on-site on Tuesday, June 26 to fix a leaking tap valve associated with the exposed 24" natural gas pipeline that Peoples Gas is repairing.

Work planned for the coming week, July 1, 2012 through July 7, 2012, is as follows:

- Take additional floor and wall samples in Area Q, Area J, Area AA, PRAs, and Area A as they become available.
- Conduct Full Scale Air monitoring consisting of one 12-hour SUMMA can sampling event per week. The days of the 12-hour sampling will be determined to coincide with excavation activities.
- Receive and review post-excavation confirmation, post-amendment, and air sampling data from TestAmerica.

A weekly field progress report will continued to be issued throughout the duration of field activities for this Time Critical Removal Action. A written report summarizing the results and findings of the Removal Action will be provided following completion of all field activities.

A summary of the construction activities as detailed by the Construction Manager have been included with this report as Attachment 1.

Please feel free to contact us if you have any questions.

Sincerely,

NATURAL RESOURCE TECHNOLOGY, INC.



Timothy B. Norris, PG  
Geologist

Attachment 1: Burns and McDonnell Construction Management Report

### Field Photos:



Photo 1: Backfilling activities in Area H.

Direction: Facing northwest.

Photo Date: 6/25/2012

Photo Taken By: RJH



Photo 2: Backfilling in Area A and the  
PRA north of Area A

Direction: Facing east.

Photo Date: 6/26/2012

Photo Taken By: RJH



Photo 3: Truck loading near Area I.

Direction: Facing west.

Photo Date: 6/27/2012

Photo Taken By: RJH



**Field Photos (continued):**



Photo 4: Loading out amended stockpiled soils while being watered for dust suppression.

Direction: Facing southeast.

Photo Date: 6/28/2012

Photo Taken By: RJH



Photo 5: Tecnica foaming the walls of the excavation to suppress odors.

Direction: Facing southeast.

Photo Date: 6/28/2012

Photo Taken By: RJH



Photo 6: Excavation trench along the large City of Chicago sewer.

Direction: Facing south.

Photo Date: 6/29/2012

Photo Taken By: RJH



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Week of: 6/24/12 to 6/30/12

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**Subject: Site Remediation – Construction Management  
Peoples Gas – Former Crawford Station**

**Burns & McDonnell Personnel Onsite**

Site Construction Manager

- Bal Berena

Site Remediation Supervisor

- Bernard Gill

Construction Manager

- Dave D'Armond

Others

- Jeff Ruhde

**Subcontractors Onsite**

- Tecnica Environmental Services
- Helm Electrical Services
- Interra

Others

- Natural Resource Technology (NRT)
- Waste Management (Dave Weber), Vito Pesoli (MT)

**Miscellaneous Visitors**

- Mike Cullen (Kinder Morgan)
- Eloy Madrigal (Interra)
- Terry Ross (Rusmar)

**Integrays Peoples Gas Personnel Onsite**

- Naren Prasad, Mike Anderson (PGL)
- Eric Wagoner, Matt Jednoroz (PGL)

**Site Activities**

**BURNS & MCDONNELL**

- Managed site activities with Tecnica Environmental Services, Interra, and Helm Electrical Services;
- Escorted PGL during their site visit;
- Issued truck tracking forms for all excavated soils from Areas A, AA, HA, H, J, K, and I;
- Tracked 589 loads (11,231.92 tons) for Direct soils disposal at Laraway Landfill;
- Received 521 loads of CA-6 (11,585.22 tons), 5 loads CA-1 (111.52 tons) for backfill in areas A, AA, HA, and H;
- Received 5 loads (380 cubic yards) of wood chips to control odors;
- Participated in daily subcontractor pre-task analysis safety meetings on site;
- Conducted periodic health and safety air monitoring in excavation area with no significant PID readings from the site activities;

- Held the weekly site construction meeting with Supervisors of Subcontractors, Waste Management;
- Held an update meeting with Peoples Gas pipeline operations and engineer on the schedule of the pipeline integrity dig in Area W; and
- Monitored site conditions for traffic, dust, odors, and overall safety.

#### **TECNICA ENVIRONMENTAL SERVICES**

- Excavated and loaded out soils from areas HA, L, and N;
- Controlled odors through foaming and wood chips use;
- Actively suppressed dust on site through watering and haul road maintenance;
- Operated and maintained truck scale;
- Assisted BMcD in water treatment system operation and maintenance;
- Continuously monitored site fencing, silt fence, and erosion control materials;
- Assisted NRT collecting samples in areas HA, J and AA;
- Performed routine maintenance on decon pad, tracking pad, and haul roads;
- Amended soil with bed ash to lower benzene concentration;
- Continued breaking concrete generated from areas I and L; and
- Excavated and backfilled both sides of Chicago Sanitary Sewer simultaneously as required by OUC.

#### **HELM ELECTRICAL SERVICES**

- Added transformer and set up 480 volt, 3-phase, and 30-amp service for misting system in southwest corner of the site.

#### **INTERRA**

- Performed compaction tests on CA-6 during backfill of areas A, I, and areas along the sheeting wall.

#### **Changes to Scope of Work**

- Continued support for PGL pipe integrity excavation is temporarily on hold;
- Continue excavating to the north of original A;
- Preparing for excavation in the area under and around the storage shed after moving the shed to a new location; and
- Adjusted final excavation depth for area J to 14 feet and HA to 11 feet.

#### **Open/Outstanding Items**

- Due to odor complaint from property to west of site, a misting system will be implemented along the top of the west property fence. Additional odor suppression activities were increased for odor control.

#### **Anticipated Activities for the Week of July 1, 2012**

- Continue digging both sides of the sewer and area north of original A;
- Continue backfilling areas A, I, H, HA, and areas along the sheeting line;
- Excavate and load out soils in areas A, HA, AA, and Q; and
- Reroute site entrance roadway for area W dig.



**Crawford Station Site:**

**Remediation**

Date: June 27, 2012

Description: Looking northwest from area L. Tecnica controlling traffic on site during backfill and load out activities.



**Crawford Station Site:**

**Remediation**

Date: June 27, 2012

Description: Looking south. Helm Electrical Services added transformer and set up 480V service connections for the misting system.





**Crawford Station Site:**

**Remediation**

Date: June 25, 2012

Description: View from area H looking southeast. Tecnica actively controlled odors through the use of wood chips and foam, as a stockpile is being loaded out for disposal.



**Crawford Station Site:**

**Remediation**

Date: June 29, 2012

Description: Looking down from area Q Tecnica simultaneously digging both sides of Chicago Sanitary Sewer as required by OUC.